AUTHOR INDEX

Abreu, Leonard W., Atmospheric attenuation in the 30 to 300 GHz region using RADTRAN and MWTRAN, 62
Bauerle, D. G., Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Bohlander, R. A., Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Britt, P. P., 95 GHz airborne tracking radar, 182
Burke, Hudson S., Millimeter radar reflective range system, 116
Cardiasmenos, A. G., Printed dipole—Schottky diode millimeter wave antenna array, 49
Claspy, P. C., Atmospheric propagation studies at near-millimeter wavelengths, 81
———, Theoretical investigation of millimeter wave propagation through a clear atmosphere, 67
Clifford, S. F., Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Dixon, Samuel, Jr., Noise measurements in self-oscillating mixers, 103
Donnally, William, Programmable millimeter wave (MMW) radars for gun fire control, 146
Drake, Doug, Active/passive terminal guidance simulators for millimeter wave systems, 106
Erickson, N. R., Cryogenic receivers for millimeter and near-millimeter wavelengths, 36
Falcone, Vincent J., Jr., Atmospheric attenuation in the 30 to 300 GHz region using RADTRAN and MWTRAN, 62
Fank, F. B., InP millimeter diode oscillators and amplifiers, 12
Fetterman, H. R., Printed dipole—Schottky diode millimeter wave antenna array, 49
Forsythe, R. E., Automatic millimeter wave mixer noise figure measurements, 98
Gagliano, J. A., Millimeter wave radiometry, 159
Goldman, Stanley J., Coherent 95 GHz instrumentation radar, 130
Goldsmith, P. F., Cryogenic receivers for millimeter and near-millimeter wavelengths, 36
Habbe, J. M., Millimeter wave radiometric imaging, 170
Hansen, William P., Jr., Millimeter radar reflective range system, 116
Hill, R. J., Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Holah, G. D., Use of metallic mesh in submillimeter optical components, 53
Howe, Richard L., Jr., Coherent 95 GHz instrumentation radar, 130
Huguenin, G. R., Cryogenic receivers for millimeter and near-millimeter wavelengths, 36
Keese, Larry, Active/passive terminal guidance simulators for millimeter wave systems, 106
Keicher, William E., Wideband, phase coded millimeter wave instrumentation radar, 138
Khandelwal, Deen D., Ion implantation for millimeter wave IMPATT diodes, 28
Korzeniowski, T. L., Planar millimeter wave antennas with application to monolithic receivers, 42
Kyle, Robert R., Coherent 95 GHz instrumentation radar, 130
Ma, Y., Recent advances in millimeter wave IMPATT sources, 16
Manning, Robert M., Theoretical investigation of millimeter wave propagation through a clear atmosphere, 67
Mathews, R. H., Planar millimeter wave antennas with application to monolithic receivers, 42
———, Printed dipole—Schottky diode millimeter wave antenna array, 49
McMillan, R. W., Millimeter wave atmospheric turbulence measurements preliminary results, 88
McPherson, Dwight, Active/passive terminal guidance simulators for millimeter wave systems, 106
McQuiddy, David N., Jr., Coherent 95 GHz instrumentation radar, 130
McSheehy, J. J., Automatic millimeter wave noise figure measurements, 98
Merat, F. L., Atmospheric propagation studies at near-millimeter wavelengths, 81
———, Theoretical investigation of millimeter wave propagation through a clear atmosphere, 67
Morton, T. P., Millimeter wave radiometry, 159
Nemarich, J., Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Newton, J. M., Millimeter wave radiometry, 159
Ochs, G. R., Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Ondria, John, Novel approaches to wide electronic tuning bandwidth in solid state millimeter sources, 22
Parker, C. D., Printed dipole—Schottky diode millimeter wave antenna array, 49
Parrish, P. T., Planar millimeter wave antennas with application to monolithic receivers, 42
———, Printed dipole—Schottky diode millimeter wave antenna array, 49
Poradish, F. J., Millimeter wave radiometric imaging, 170
Predmore, C. R., Cryogenic receivers for millimeter and near-millimeter wavelengths, 36
Ready, E. K., 95 GHz airborne tracking radar, 182
Scheer, J. A., 95 GHz airborne tracking radar, 182
Shettle, Eric P., Atmospheric attenuation in the 30 to 300 GHz region using RADTRAN and MWTRAN, 62
Simonutti, M., Recent advances in millimeter wave IMPATT sources, 16
Sollner, T. C. L. G., Planar millimeter wave antennas with application to monolithic receivers, 42
———, Printed dipole—Schottky diode millimeter wave antenna array, 49
Tannenwald, P. E., Printed dipole—Schottky diode millimeter wave antenna array, 49
Wiltse, James C., Millimeter wave trends, 1
Yarbrough, Howard, Active/passive terminal guidance simulators for millimeter wave systems, 106
Yen, H., Recent advances in millimeter wave IMPATT sources, 16
Yngvesson, K. S., Planar millimeter wave antennas with application to monolithic receivers, 42
Zieman, Henry E., Wideband, phase coded millimeter wave instrumentation radar, 138

SUBJECT INDEX

Active/passive terminal guidance simulators for millimeter wave systems, 106
Airborne tracking radar, 95 GHz, 182
Amplifiers, InP millimeter diode oscillators and, 12
Antenna array, printed dipole—Schottky diode millimeter wave, 49
Antennas with application to monolithic receivers, planar millimeter wave, 42
Array, printed dipole—Schottky diode millimeter wave antenna, 49
Atmosphere, theoretical investigation of millimeter wave propagation through a clear, 67
Atmospheric attenuation in the 30 to 300 GHz region using RADTRAN and MWTRAN, 62
Atmospheric propagation studies at near-millimeter wavelengths, 81
Atmospheric turbulence measurements: preliminary results, millimeter wave, 88
Attenuation in the 30 to 300 GHz region using RADTRAN and MWTRAN, atmospheric, 62
Automatic millimeter wave mixer noise figure measurements, 98

Bandwidth in solid state millimeter sources, novel approaches to wide electronic tuning, 22

Clear atmosphere, theoretical investigation of millimeter wave propagation through a, 67
Coherent 95 GHz instrumentation radar, 130
Components, use of metallic mesh in submillimeter optical, 53
Cryogenic receivers for millimeter and near-millimeter wavelengths, 36

Diode millimeter wave antenna array, printed dipole—Schottky, 49
Diode oscillators and amplifiers, InP millimeter, 12
Diodes, ion implantation for millimeter wave IMPATT, 28
Dipole—Schottky diode millimeter wave antenna array, printed, 49

Electronic tuning bandwidth in solid state millimeter sources, novel approaches to wide, 22

Gun fire control, programmable millimeter wave (MMW) radars for, 146

InP millimeter diode oscillators and amplifiers, 12
Imaging, millimeter wave radiometric, 170
Ion implantation for millimeter wave IMPATT diodes, 28

Measurements in self-oscillating mixers, noise, 103
Mesh in submillimeter optical components, use of metallic, 53
Metallic mesh in submillimeter optical components, use of, 53
Millimeter diode oscillators and amplifiers, InP, 12
Millimeter and near-millimeter wavelengths, cryogenic receivers for, 36
Millimeter radar reflective range system, 116
Millimeter sources, novel approaches to wide electronic tuning bandwidth in solid state, 22
Millimeter wave antenna array, printed dipole—Schottky diode, 49
Millimeter wave antennas with application to monolithic receivers, planar, 42
Millimeter wave atmospheric turbulence measurements: preliminary results, 88
Millimeter wave IMPATT diodes, ion implantation for, 28
Millimeter wave instrumentation radar, wideband, phase coded, 138
Millimeter wave mixer noise figure measurements, automatic, 98
Millimeter wave propagation through a clear atmosphere, theoretical investigation of, 67
Millimeter wave (MMW) radars for gun fire control, programmable, 146
Millimeter wave radiometric imaging, 170
Millimeter wave radiometry, 159
Millimeter wave systems, active/passive terminal guidance simulators for, 106
Millimeter wave trends, 1
Mixer noise figure measurements, automatic millimeter wave, 98
Mixers, noise measurements in self-oscillating, 103
Monolithic receivers, planar millimeter wave antennas with application to , 42

Near-millimeter wavelengths, atmospheric propagation studies at, 81
Near millimeter wavelengths, cryogenic receivers for millimeter and, 36
95 GHz airborne tracking radar, 182
95 GHz instrumentation radar, coherent, 130
Noise figure measurements, automatic millimeter wave mixer, 98
Noise measurements in self-oscillating mixers, 103

Novel approaches to wide electronic tuning bandwidth in solid state millimeter sources, 22

Optical components, use of metallic mesh in submillimeter, 53
Oscillators and amplifiers, InP millimeter diode, 12

Passive terminal guidance simulators for millimeter wave systems, active/, 106
Phase coded millimeter wave instrumentation radar, wideband, 138
Planar millimeter wave antennas with application to monolithic receivers, 42
Printed dipole—Schottky diode millimeter wave antenna array, 49
Programmable millimeter wave (MMW) radars for gun fire control, 146
Propagation through a clear atmosphere, theoretical investigation of millimeter wave, 67
Propagation studies at near-millimeter wavelengths, atmospheric, 81

Radar, coherent 95 GHz instrumentation, 130
Radar, 95 GHz airborne tracking, 182
Radar, wideband, phase coded millimeter wave instrumentation, 138
Radars for gun fire control, programmable millimeter wave (MMW), 146
Radiometric imaging, millimeter wave, 170
Radiometry, millimeter wave, 159
Receivers for millimeter and near-millimeter wavelengths, cryogenic, 36
Receivers, planar millimeter wave antennas with application to monolithic, 42
Recent advances in millimeter wave IMPATT sources, 16

Schottky diode millimeter wave antenna array, printed dipole—, 49
Self-oscillating mixers, noise measurements in, 103
Simulators for millimeter wave systems, active/passive terminal guidance, 106
Solid state millimeter sources, novel approaches to wide electronic tuning bandwidth in, 22
Sources, novel approaches to wide electronic tuning bandwidth in solid state millimeter, 22
Sources, recent advances in millimeter wave IMPATT, 16
Submillimeter optical components, use of metallic mesh in, 53

Terminal guidance simulators for millimeter wave systems, active/passive, 106
Theoretical investigation of millimeter wave propagation through a clear atmosphere, 67
30 to 300 GHz region using RADTRAN and MWTRAN, atmospheric attenuation in the, 62
Tracking radar, 95 GHz airborne, 182
Tuning bandwidth in solid state millimeter sources, novel approaches to wide electronic, 22
Turbulence measurements: preliminary results, millimeter wave atmospheric, 88

Use of metallic mesh in submillimeter optical components, 53

Wavelengths, atmospheric propagation studies at near-millimeter, 81
Wavelengths, cryogenic receivers for millimeter and near-millimeter, 36
Wide electronic tuning bandwidth in solid state millimeter sources, novel approaches to, 22
Wideband, phase coded millimeter wave instrumentation radar, 138